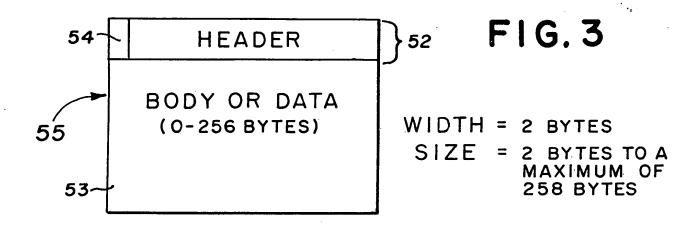
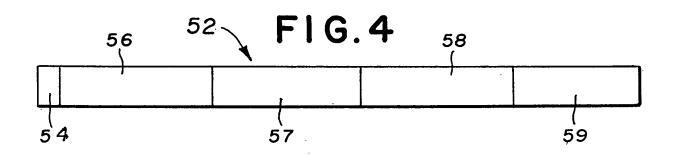
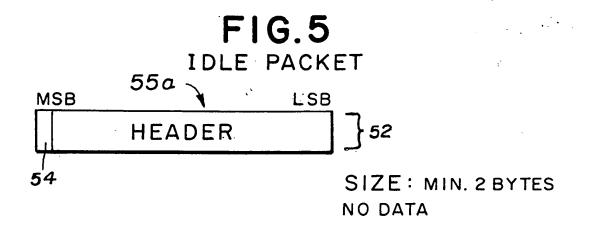


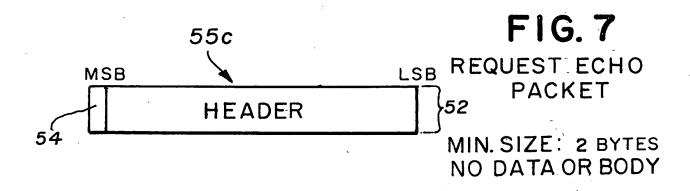
+

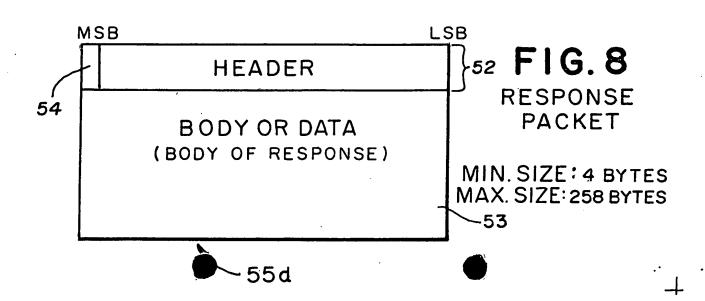


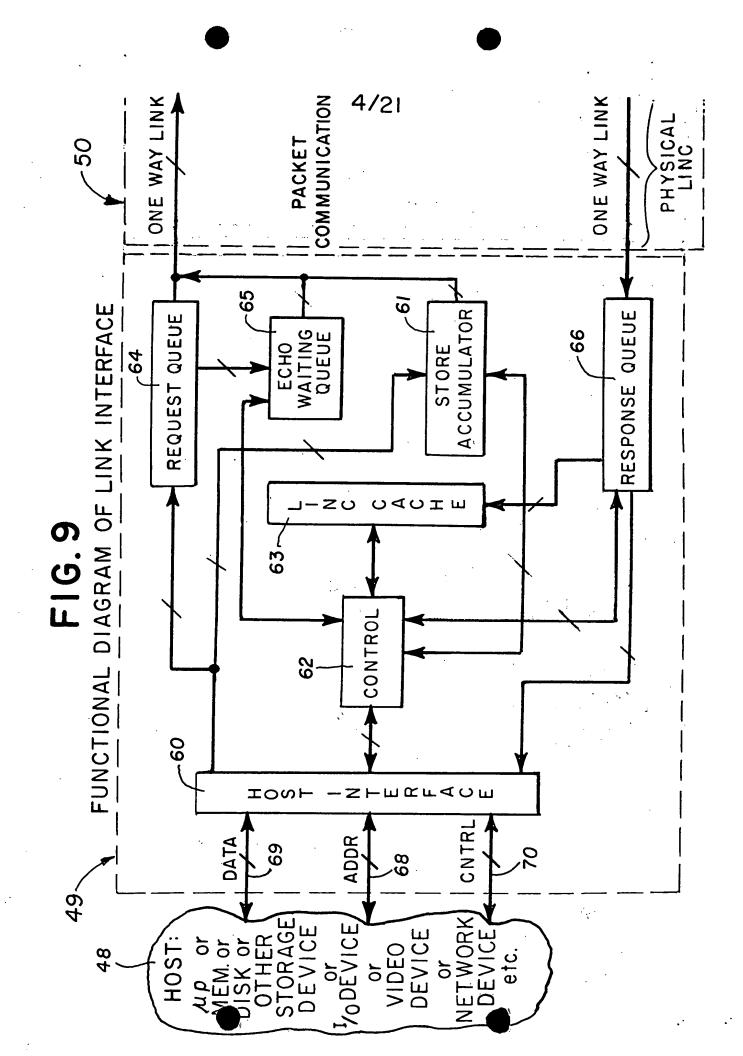


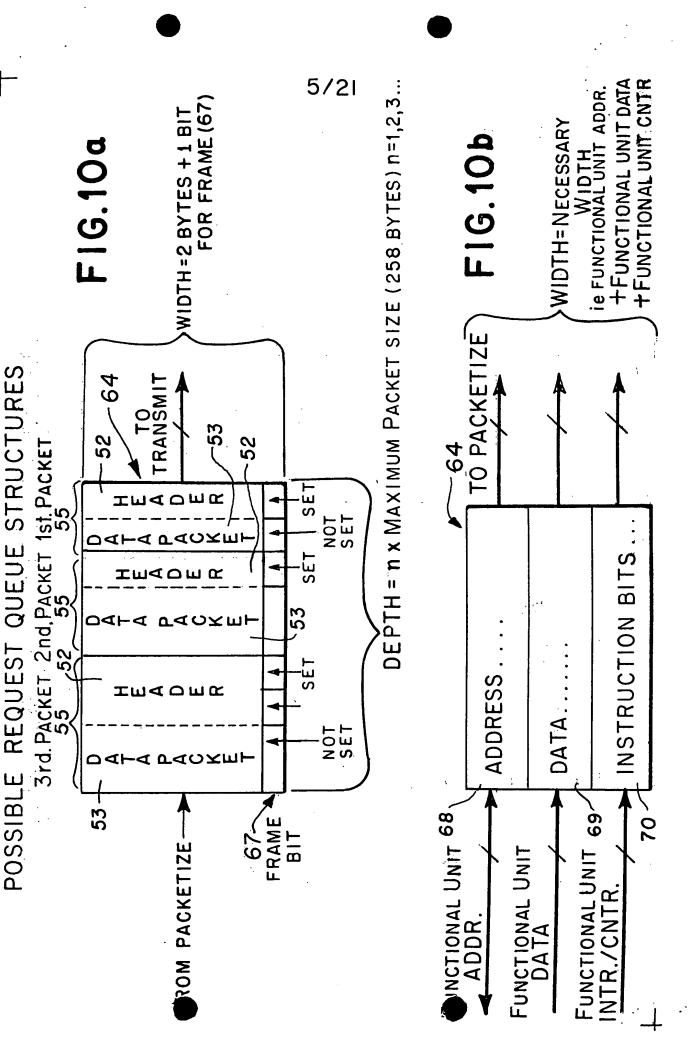


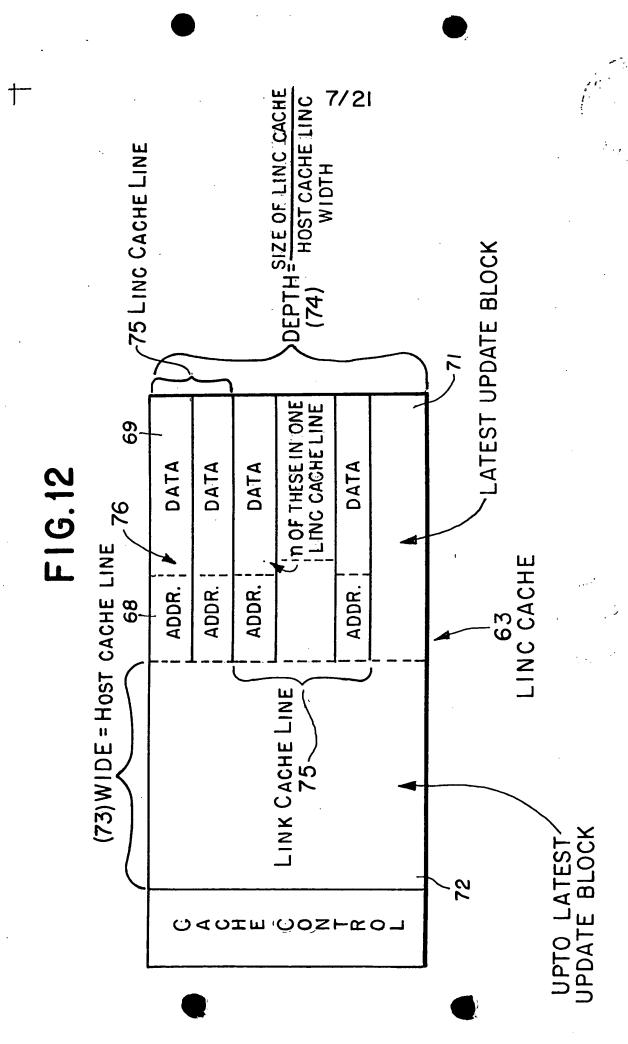
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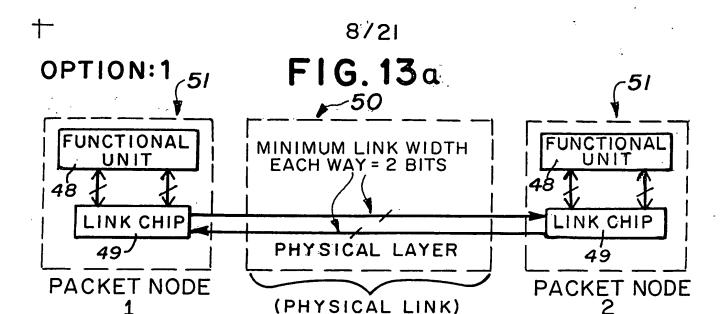






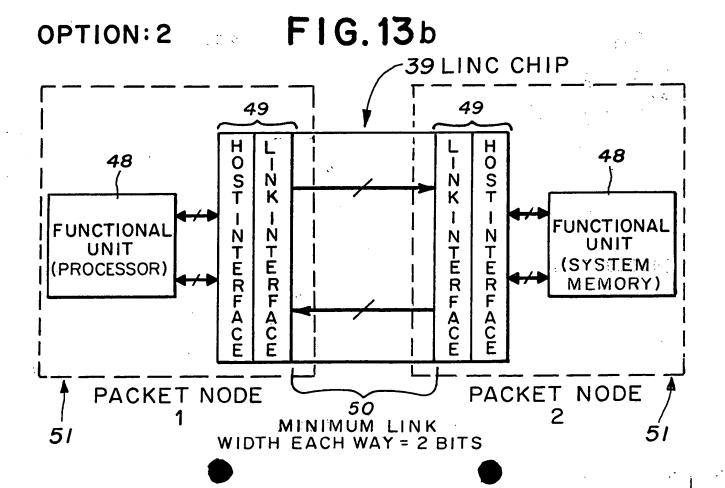


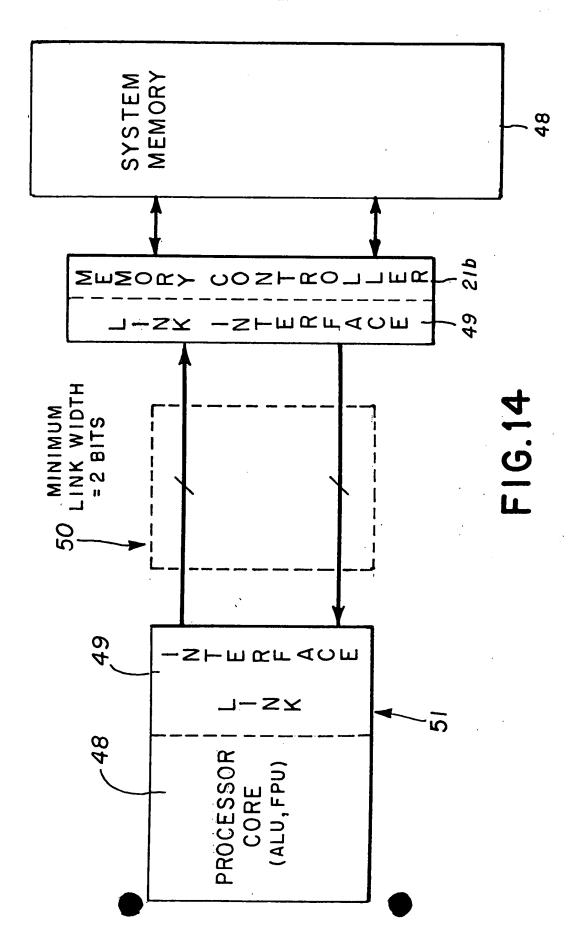




INTERFACE

A SAMPLE TWO NODE LINK WHERE NODE 1 FUNCTIONAL UNIT IS THE PROCESSOR AND NODE 2 FUNCTIONAL UNIT IS THE MEMORY.





F I G. 15

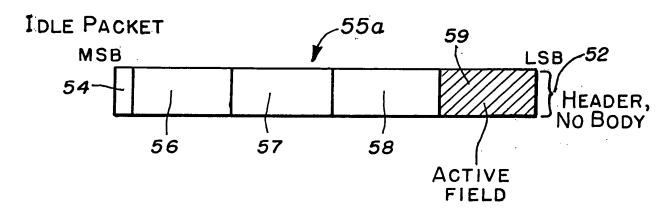
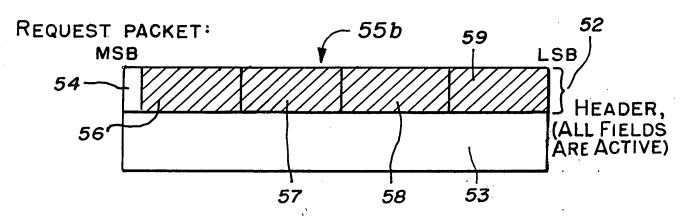


FIG.16



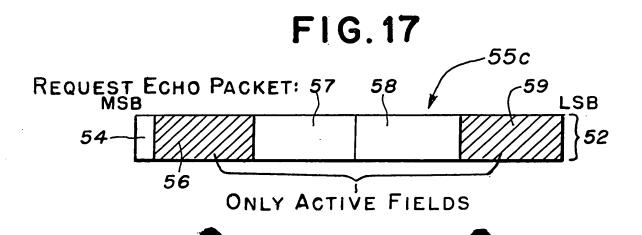


FIG.18

RESPONSE PACKET

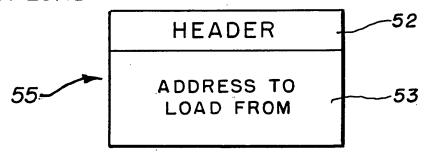
MSB (ACTIVE 57 55d 59 ACTIVE 54 56 SONTROL)

BODY OF RESPONSE

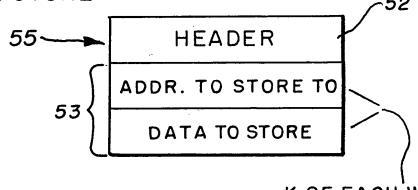
53

FIG.19

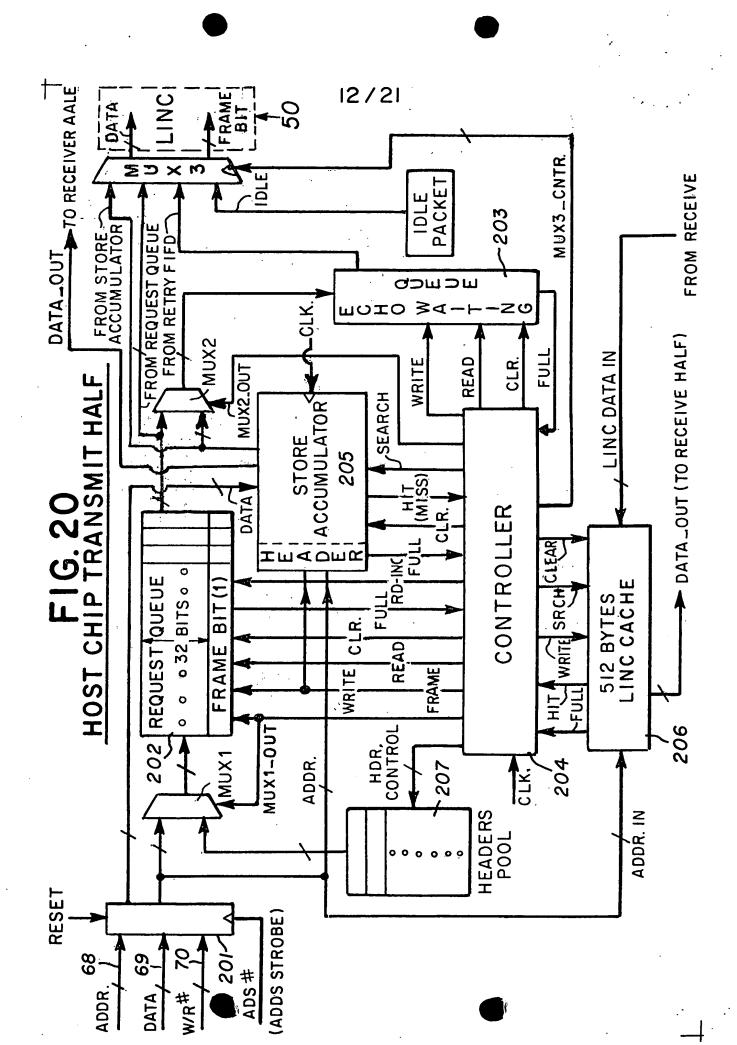
REQUEST PACKET FOR A LOAD

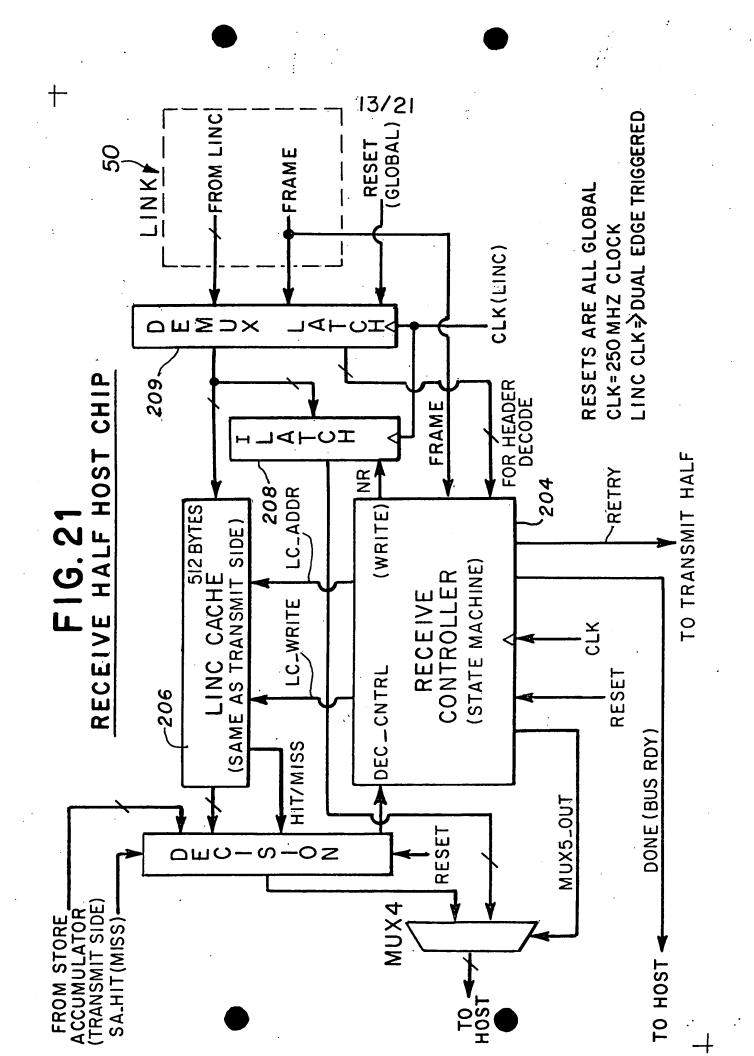


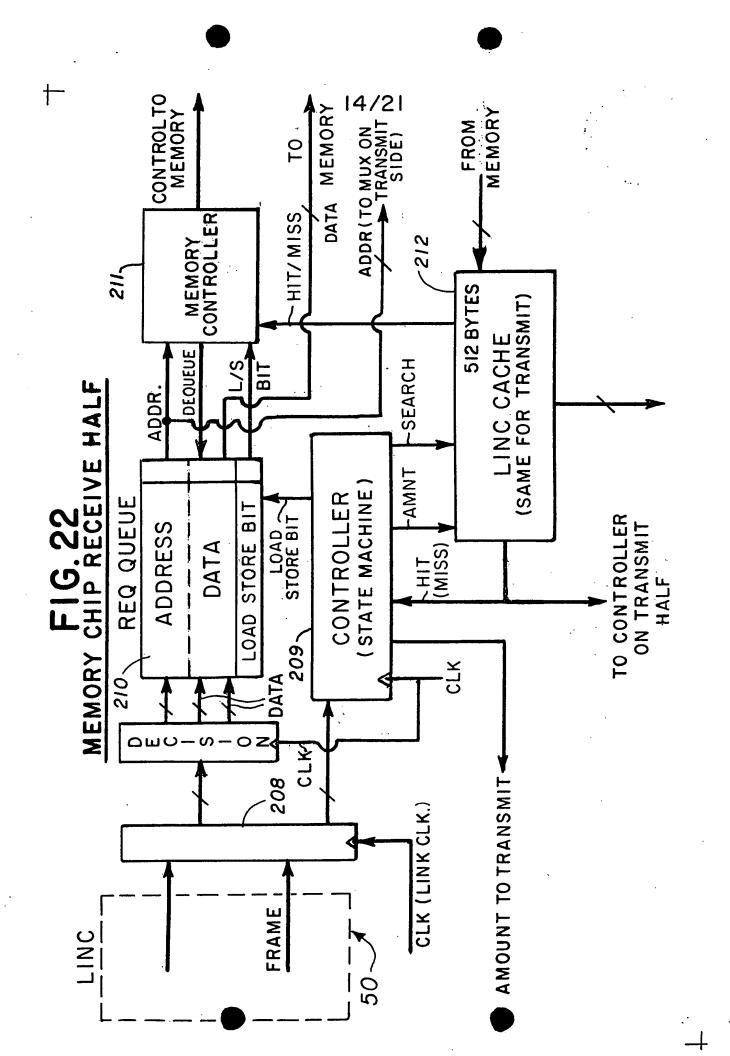
REQUEST PACKET FOR A STORE

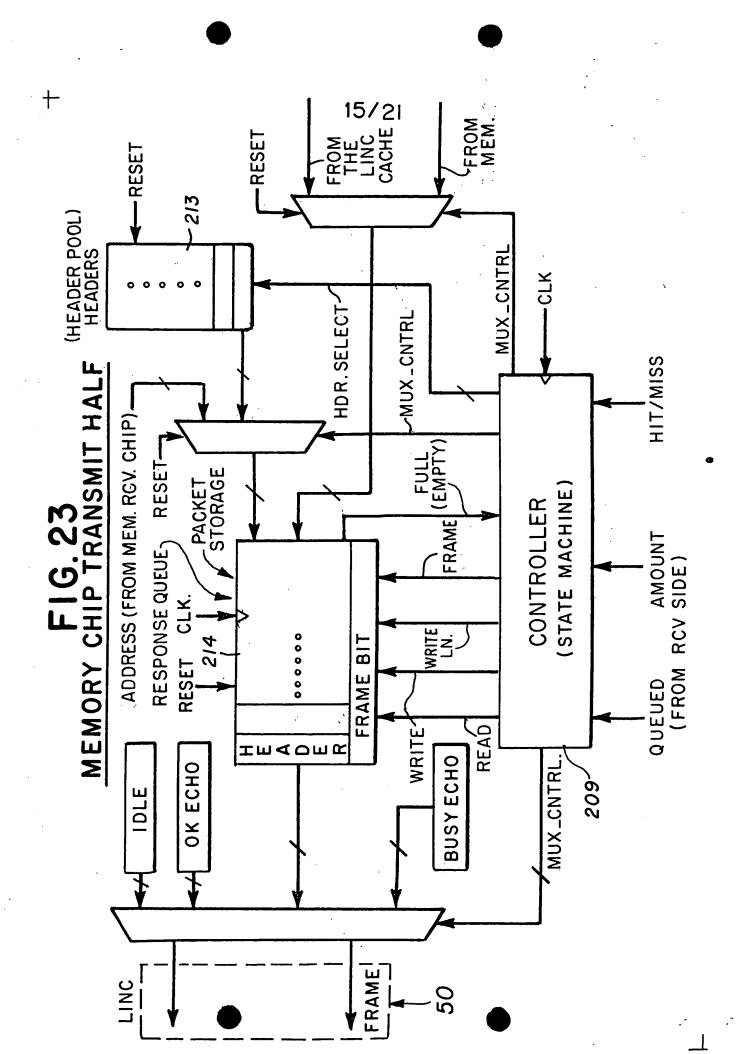


K OF EACH WHERE K IS THE NUMBER OF STORES IN THE STORE ACCUMU-LATOR.









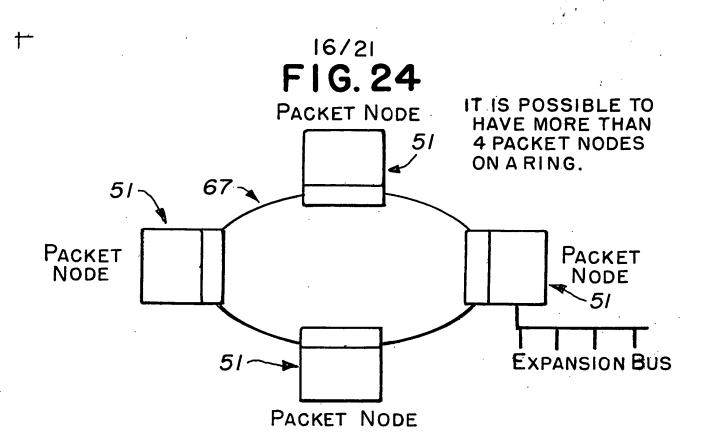
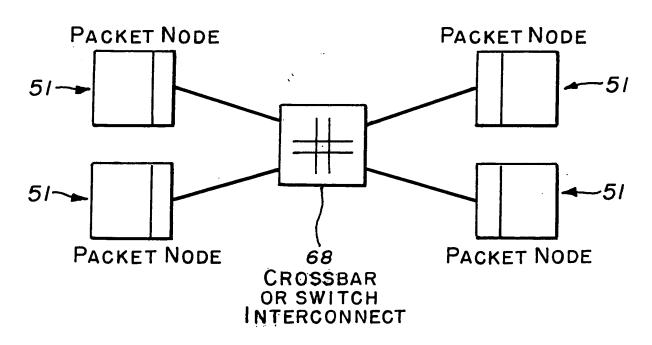
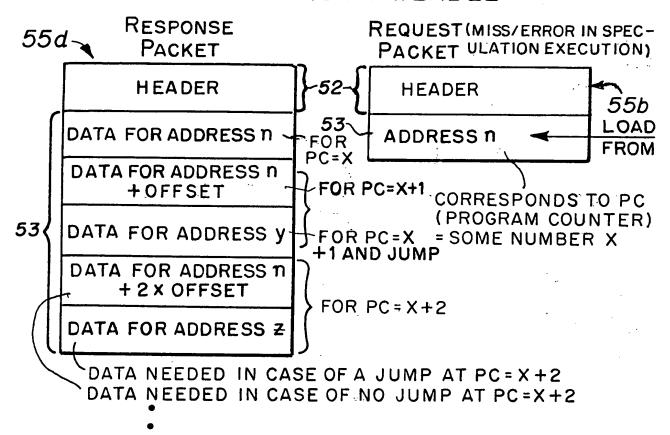


FIG. 25



F1G. 26

POSSIBLE RESPONSE PACKETS FOR A REQUEST WHEN ACCESS TO TLB AND OR BTB IN THE PROCESSOR IS AVAILABLE



AND SO ON.

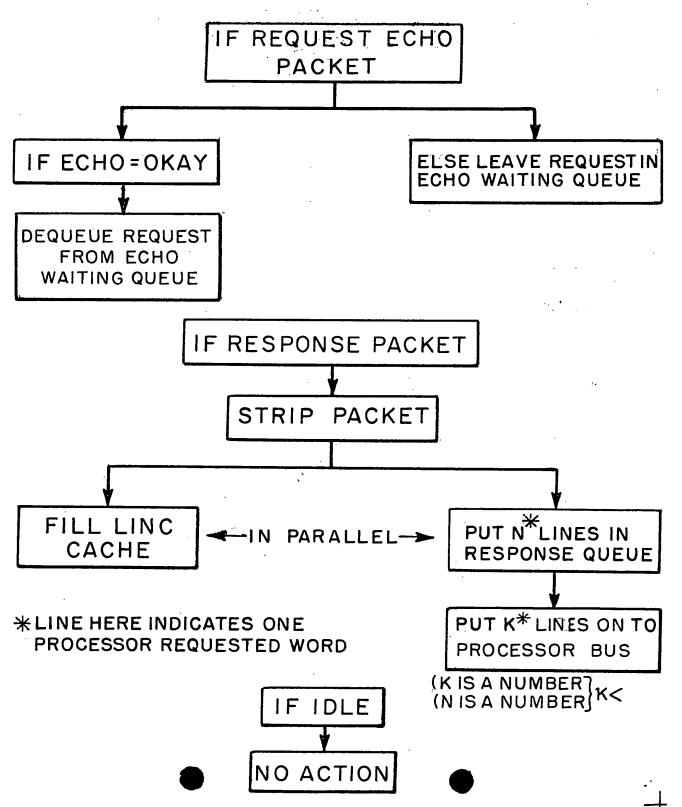
FOR PROGRAMS WITH VERY HIGH LOCALITY (GRAPHICS, MULTIMEDIA ETC.)

_	RESPONSE PACKET	55d
52	HEADER	35a
	DATA FOR ADDRESS n	FOR PC=X
	DATA FOR ADDRESS + OFFSET	FOR PC = X+1
	DATA FOR ADDRESS n+2 OFFSET	FOR PC = X+2
	AND SO ON.	<i>→</i> 53

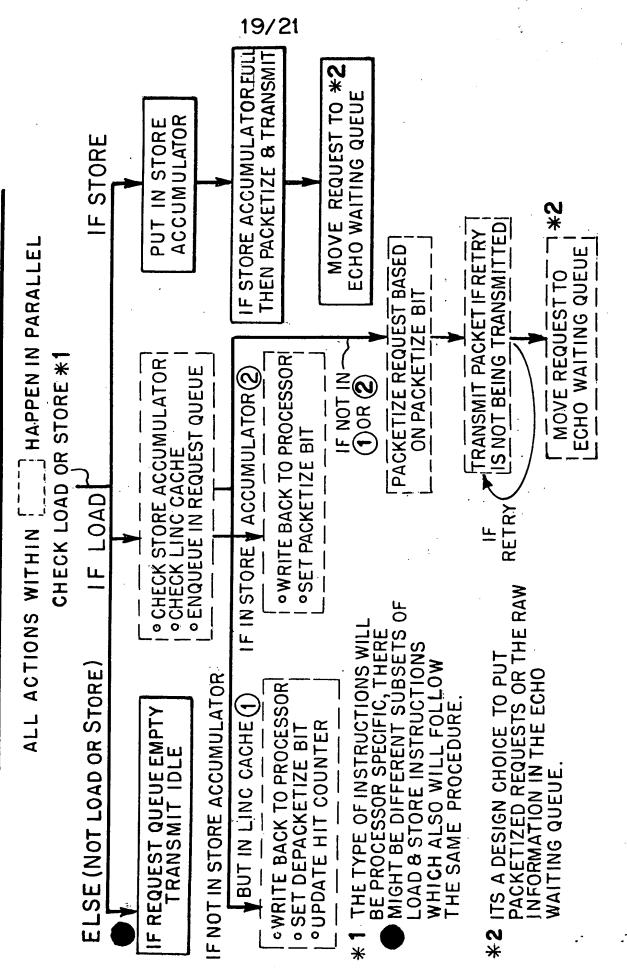
+

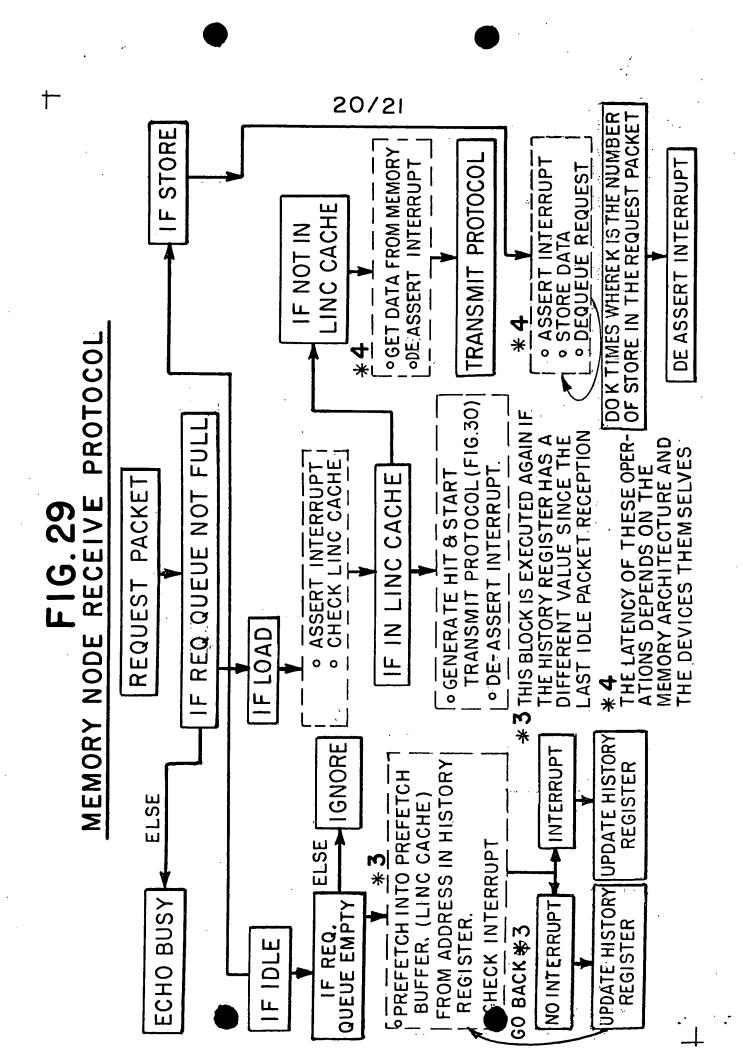
FIG. 27 PROCESSOR NODE RECEIVE PROTOCOL

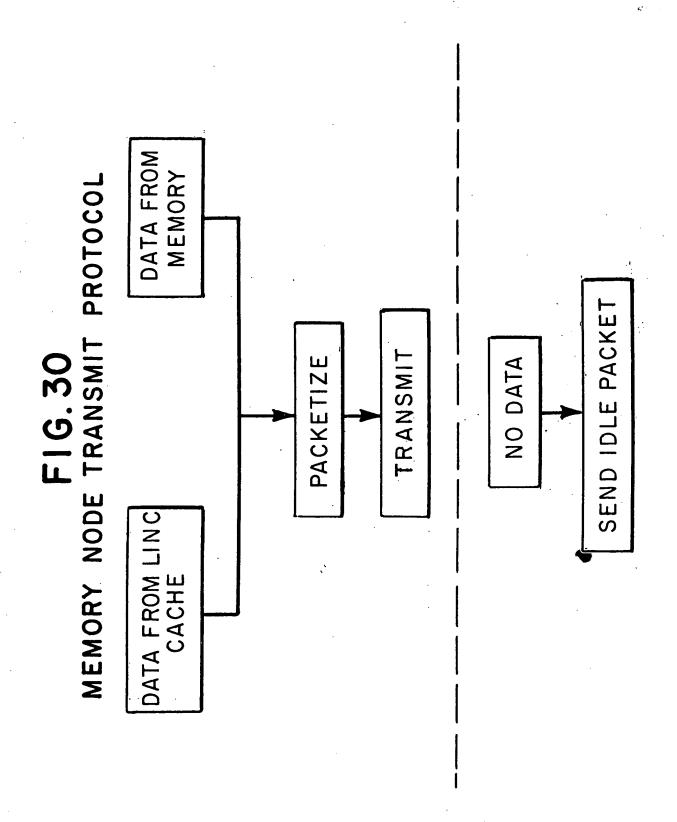
FOR PRESENT DETAILED IMPLEMENTATION, THE MEMORY NODE IS EXPECTED TO SEND ONLY THE FOLLOWING PACKETS.



PROCESSOR NODE TRANSMIT PROTOCOL FIG. 28







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